



State of New Hampshire  
DEPARTMENT OF ENVIRONMENTAL SERVICES

6 Hazen Drive, P.O. Box 95, Concord, NH 03302-0095  
(603) 271-3406 FAX (603) 271-7894



March 10, 2003  
**Letter of Deficiency**  
DSP #03-027

Mr. Ron Shover  
City of Manchester  
Parks and Recreation Dept  
626 Mammoth Road  
Manchester, NH 03104

RE: Pine Island Pond (AKA Goffs Falls) Dam #150.05, Manchester

Dear Mr. Shover:

The Department of Environmental Services, Dam Bureau (DES) consistently strives to enhance the safety of dams in New Hampshire through its dam safety program. One of the many instruments that play a part in reaching this goal is our inspection program. DES is forwarding this correspondence to you to advise you that in accordance with RSA 482:12 and Env-Wr 502.02, an inspection of the subject dam was conducted on November 22, 2002. During this visual inspection and/or file review, the following deficiencies were observed:

- There is debris on the downstream side of the spillway located at the far right end;
- There is minor brush located at the right spillway abutment;
- 3. The earthen material is not flush with the left spillway concrete abutment
- 4. There is an area of deteriorated concrete on the top of the left spillway abutment.
- 5. It is unclear what type of flashboards were permitted and what is currently used at the site; and
- 6. The operation and maintenance plan (O&M) was last updated in 1997

DES believes that the above deficiencies can be corrected by performing the following items by the indicated schedule:

**July 1, 2003:**

1. Clear the debris on the downstream side of the spillway
2. Remove the brush located at the right spillway abutment;

Fill and compact the low area located to the left of the left spillway concrete abutment, so that the earthen material is flush with the concrete wall, establish a vegetative cover on this area;

Patch the areas of deteriorated concrete located on the top of the left spillway abutment;

Letter of Deficiency  
Dam #150.05  
March 10, 2003  
pg. 2

5. Review the O&M plan and update, if necessary. Please notify our office of the intended use of the monitoring well log as mentioned in the O&M plan; and

**Continuous:**

6. Flashboards of a height greater than 1 foot shall not be installed along the spillway unless proper calculations are submitted to the DES for the approval of their use.

DES is requesting that you complete and submit the attached "Intent to Complete Repairs" form, within 30 days of receipt of this letter, that will provide for correction of the identified deficiencies by the date(s) indicated above. Please call or write to our office if the repairs are completed ahead of the aforementioned schedule so that DES may schedule a follow-up inspection. Unless notified otherwise, DES will conduct the follow-up inspection on or after the date(s) indicated above. If you believe changes to the items of work or dates are necessary, please make the changes directly on the form and provide a brief explanation. Please call or write to our office if the repairs are completed before the aforementioned schedule. We have enclosed a self addressed stamped envelope for you to return this form.

Our intent in sending you this correspondence is to make you aware of items that DES believes warrant your attention to insure the continued safe operation of your dam. It is our hope that, through the submittal of the attached form and a commitment to keeping a well-maintained dam, you will voluntarily comply with the requested items of work. If we do not receive the intent form or a similarly adequate written reply, we will assume that you are in agreement with our findings and recommendations and DES will carry out follow-up inspections accordingly.

If you have any questions or comments regarding this Letter of Deficiency or would like to be present at future inspections, please contact me at 271-3406, or write to the Water Division at the address listed on the top of the previous page.

Sincerely

**COPY**  
*Amy C. Clark*

Amy C. Clark, P.E.  
Dam Safety Engineer

Attachments Copy of 97 O&M, DB8, DB13

cc: Gretchen Rule ✓

Certified # 7000 1670 0000 0586 1735

ACC/was/h:/safety/wendy/lod/150-05lod.doc